A



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101647, 700
Source: 0.500
Date Processed by STIC: 9-3-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

- Hand Carry directly to:
 U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
 - U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- 4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



DATE: 09/03/2003

OIPE

```
PATENT APPLICATION: US/10/647,720
                                                              TIME: 10:51:22
                     Input Set : A:\21371-US SEQUENCE LISTING.txt
                     Output Set: N:\CRF4\09032003\J647720.raw
      3 <110> APPLICANT: Christine Markert-Hahn
              Dirk Block
      6 <120> TITLE OF INVENTION: Improved Method for Bisulfite Treatment
      8 <130> FILE REFERENCE: 21371-US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/647,720
     11 <141> CURRENT FILING DATE: 2003-08-25
     13 <150> PRIOR APPLICATION NUMBER: 02019097.1
     14 <151> PRIOR FILING DATE: 2002-08-29
     16 <160> NUMBER OF SEQ ID NOS: 1
     18 <170> SOFTWARE: PatentIn Ver. 2.1
     20 <210> SEQ ID NO: 1
                                                             Does Not Comply
     21 <211> LENGTH: 4261
                                                             Corrected Diskette Needed
     22 <212> TYPE: DNA
     23 <213> ORGANISM: Homo sapiens
     25 <220> FEATURE:
     26 <221> NAME/KEY: misc signal
     27 <222> LOCATION: (1156)..(1162)
     28 <223> OTHER INFORMATION: transcription regulatory motif; putative
     30 <220> FEATURE:
     31 <221> NAME/KEY: GC_signal
     32 <222> LOCATION: (1169)..(1174)
     34 <220> FEATURE:
    35 <221> NAME/KEY: GC signal
     36 <222> LOCATION: (1179)..(1184)
     38 <220> FEATURE:
     39 <221> NAME/KEY: TATA signal
     40 <222> LOCATION: (1194)..(1198)
     42 <220> FEATURE:
     43 <221> NAME/KEY: exon
     44 <222> LOCATION: (1225)..(1254)
     46 <220> FEATURE:
     47 <221> NAME/KEY: polyA signal
     48 <222> LOCATION: (4041)..(4046)
     50 <300> PUBLICATION INFORMATION:
     51 <308> DATABASE ACCESSION NO: Genbank:M24485
     52 <309> DATABASE ENTRY DATE: 2000-03-04
     54 <300> PUBLICATION INFORMATION:
     55 <303> JOURNAL: Gene
     56 <304> VOLUME: 75
                                                     13097 is mordatory
-Dis there is a
13087.
     57 <305> ISSUE: 1
```

RAW SEQUENCE LISTING

60 (<308> DATABASE ACCESSION NO: Morrow et al.

58 <306> PAGES: 3-11 59 <307> DATE: 1989

RAW SEQUENCE LISTING DATE: 09/03/2003 PATENT APPLICATION: US/10/647,720 TIME: 10:51:22

Input Set : A:\21371-US SEQUENCE LISTING.txt
Output Set: N:\CRF4\09032003\J647720.raw

W--> 62 <300> PUBLICATION INFORMATION: 63 <310> PATENT DOC NO: US5552277 64 <311> PATENT FILING DATE: 1994-07-19 65 <312> PUBLICATION DATE: 1996-09-03 67 <400> SEOUENCE: 1 68 aacaagagat caatatctag aataaatgga gatctgcaaa tcaacagaaa gtaggcagca 60 70 aagccaaaga aaatagccta aggcacagcc actaaaagga acgtgatcat gtcctttgca 120 72 qqqacatqqq tqqaqctqqa aqccqttaqc ctcaqcaaac tcacacagqa acaqaaaacc 180 74 agcgagaccg catggtctca cttataagtg ggagctgaac aatgagaaca catggtcaca 240 76 tggcggcgat caacacacac tggtgcctgt tgagcggggt gctggggagg gagagtacca 300 78 ggaagaatag ctaagggata ctgggcttaa tacctgggtg atgggatgat ctgtacagca 360 80 aaccatcatg gcgcacacac ctatgtaaca aacctgcaca tcctgcacat gtaccccaga 420 82 acttcaaata aaagttggac ggccaggcgt ggtggctcac gcctgtaatc ccagcacttt 480 84 gggaagccga ggcgtgcaga tcacctaagg tcaggagttc gagaccagcc cggccaacat 540 86 ggtgaaaccc cgtctctact aaaaatacaa aaatcagcca gatgtggcac gcacctataa 600 88 ttccacctac tcgggaggct gaagcagaat tgcttgaacc cgagaggcgg aggttgcagt 660 90 gageegeega gategegeea etgeaeteea geetgggeea eagegtgaga etaegteata 720 96 tecacecete teccetgeee tgtgaagegg gtgtgeaage teegggateg eageggtett 900 98 agggaattte ecceegegat gteeeggege geeagttege tgegeacaet tegetgeggt 960 100 cctcttcctg ctgtctgttt actccctagg ccccgctggg gacctgggaa agagggaaag 1020 102 gcttccccgg ccagctgcgc ggcgactccg gggactccag ggcgcccctc tgcggccgac 1080 104 gcccggggtg cagcggccgc cggggctggg gccggcggga gtccgcggga ccctccagaa 1140 106 gagcggccgg cgccgtgact cagcactggg gcggagcggg gcgggaccac ccttataagg 1200 108 ctcqqaqqcc qcqaqqcctt cqct qqa qtt tcq ccq ccq caq tct tcq cca 110 cca qtqagtacqc gcqqcccqct ccccqqqqat qqqqctcaga gctcccagca 112 tggggccaac ccgcagcatc aggcccgggc tcccggcagg gctcctcgcc cacctcgaga 1364 114 cccgggacgg gggcctaggg gacccaggac gtccccagtg ccgttagcgg ctttcagggg 1424 116 gcccggageg cctcggggag ggatgggacc ccgggggcgg ggagggggg caggctgcgc 1484 118 tcaccgcgcc ttggcatcct cccccgggct ccagcaaact tttctttgtt cgctgcagtg 1544. 120 ccgccctaca ccgtggtcta tttcccagtt cgaggtagga gcatgtgtct ggcagggaag 1604 122 ggaggcaggg gctggggctg cagcccacag ccctcgccc acccggagag atccgaaccc 1664 124 ccttatccct ccgtcgtgtg gcttttaccc cgggcctcct tcctgttccc cgcctctccc 1724 126 gccatgcctg ctccccgccc cagtgttgtg tgaaatcttc ggaggaacct gtttacctgt 1784 128 teecteetig cacteetigae ceeteecegg qttqetqeqa qqeqqaqteg qeeeggteec 1844 130 cacatetegt aetteteeet eecegeagge egetgegegg eeetgegeat getgetggea 1904 132 gatcagggcc agagctggaa ggaggaggtg gtgaccgtgg agacgtggca ggagggctca 1964 134 ctcaaagcct cctgcgtaag tgaccatgcc cgggcaaggg gagggggtgc tgggccttag 2024 136 ggggctgtga ctaggatcgg gggacgccca agctcagtgc ccctccctga gccatgcctc 2084 138 ccccaacage tatacgggca getececaag ttecaggacg gagaceteae cetgtaceag 2144 140 tocaatacca teetgegtea cetgggeege accettggtg agtettgaae etecaagtee 2204 142 agggcaggca tgggcaagcc tctgcccccg gagccctttt gtttaaatca gctgccccgc 2264 144 agccctctgg agtggaggaa actgagaccc actgaggtta cgtagtttgc ccaaggtcaa 2324 146 gcctgggtgc ctgcaatcct tgccctgtgc caggctgcct cccaggtgtc aggtgagctc 2384 148 tgagcacctg ctgtgtggca gtctctcatc cttccacgca catcctcttc ccctcccc 2444 150 aggetgggge teacagacag eccetggtt ggeecateee eagtgaetgt gtgttgatea 2504 152 ggcgcccagt cacgcggcct gctcccctcc acccaacccc agggctctat gggaaggacc 2564 154 agcaggagge agcectggtg gacatggtga atgacggcgt ggaggacete cgctgcaaat 2624

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/647,720 TIME: 10:51:22

DATE: 09/03/2003

Input Set : A:\21371-US SEQUENCE LISTING.txt
Output Set: N:\CRF4\09032003\J647720.raw

```
156 acatetecet catetacace aactatgtga geatetgeae eagggttggg caetggggge 2684
158 tgaacaaaga aaggggcttc ttgtgccctc accccctta cccctcaggt ggcttgggct 2744
160 gaccccttct tgggtcaggg tgcagggct gggtcagctc tgggccaggg gcccaggggc 2804
162 ctgggacaag acacaacctg caccettatt gcctgggaca tcaaccagcc aagtaacggg 2864
164 tcatgggggc gagtgcaagg acagagacct ccagcaactg gtggtttctg atctcctggg 2924
166 gtggcgaggg cttcctggag tagccagagg tggaggagga tttgtcgcca gtttctggat 2984
168 ggaggtgctg gcacttttag ctgaggaaaa tatgcagaca cagagcacat ttggggacct 3044
170 gggaccagtt cagcagaggc agcgtgtgtg cgcgtgcgtg tgcgtgtgtg tgcgtgtgtg 3104
172 tgtgtacgct tgcatttgtg tcgggtgggt aaggagatag agatgggcgg gcagtaggcc 3164
174 caggtcccga aggccttgaa cccactggtt tggagtctcc taagggcaat gggggccatt 3224
176 gagaagtctg aacagggctg tgtctgaatg tgaggtctag aaggatcctc cagagaagcc 3284
178 agetetaaag ettttgeaat eatetggtga gagaaceeag eaaggatgga eaggeagaat 3344
180 ggaatagaga tgagttggca gctgaagtgg acaggatttg gtactagcct ggttgtgggg 3404
182 agcaagcaga ggagaatctg ggactctggt gtctggcctg gggcagacgg gggtgtctca 3464
184 ggggctggga gggatgagag taggatgata catggtggtg tctggcagga ggcgggcaag 3524
186 gatgactatg tgaaggcact gcccqqqcaa ctgaagcctt ttgagaccct gctgtcccag 3584
188 aaccagggag gcaagacett cattgtggga gaccaggtga gcatctggce ccatgctgtt 3644
190 ccttcctcgc caccctctqc ttccaqatqq acacaggtqt qagccatttg tttaqcaaaq 3704
192 cagagcagac ctaggggatg ggcttaggcc ctctgccccc aattcctcca gcctgctccc 3764
194 getggetgag tecetageee ecetgeeetg cagateteet tegetgaeta caacetgetg 3824
196 gacttgctgc tgatccatga ggtcctagcc cctggctgcc tggatgcgtt ccccctgctc 3884
198 teageatatg tggggegeet eagtgeeegg eecaagetea aggeetteet ggeeteeeet 3944
200 gagtacgtga acctccccat caatggcaac gggaaacagt gagggttggg gggactctga 4004
202 gcgggaggca qagtttgcct tcctttctcc aggaccaata aaatttctaa gagagctact 4064
204 atgagcactg tgtttcctqg gacggggctt aggggttctc agcctcgagg tcggtgggag 4124
206 ggcagagcag aggactagaa aacagctcct ccagcacagt cagtggcttc ctggagccct 4184
208 cagcctggct gtgtttactg aacctcacaa actagaagag gaagaaaaaa aaagagagag 4244
210 agaaacaaag agaaata
                                                                      4261
```

VERIFICATION SUMMARY

DATE: 09/03/2003

PATENT APPLICATION: US/10/647,720

TIME: 10:51:23

Input Set : A:\21371-US SEQUENCE LISTING.txt
Output Set: N:\CRF4\09032003\J647720.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number L:62 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:1